

ABSTRACT OF THE DISCLOSURE

A device for producing bypasses under pressure in fluid piping systems, including a horizontal T-shaped body having a radial conduit which can be connected to a connecting collar or seat of the pipe to be bypassed and a radial conduit with a mouth for extracting fluid from the bypass. The device includes an inverted cup-shaped cutter with an overdimensioned tooth crown and, on the rear part thereof, a stepped extension with two threaded areas. One of the threaded areas is attached to the upper neck of the radial conduit and is closed with a cover and gaskets. The device further includes an actuation means which can be positioned on the neck and which is equipped with a feed screw and a shaft which can be connected to the end threaded area of the cutter by means of a male connector and a nut. The actuation means also includes a lateral valve which connects the outside with the inside of the radial conduit and the bypassed pipe by means of a chamber inside said actuation means and which can be used to inject an inert gas, check the sealing and purge the bypassed pipe.

LAW OFFICES
DENNISON, SCHULTZ, DOUGHERTY & MACDONALD

SUITE 105

1727 KING STREET

ALEXANDRIA, VIRGINIA 22314-2700

703 837-9600